

Title (en)
BATTERY UNIT

Title (de)
BATTERIEEINHEIT

Title (fr)
UNITÉ DE BATTERIE

Publication
EP 2194595 A4 20120125 (EN)

Application
EP 08722203 A 20080314

Priority
• JP 2008054807 W 20080314
• JP 2007256580 A 20070928

Abstract (en)
[origin: US2009197154A1] A battery unit comprises a bypass structure. The bypass structure includes a bypass exit opening formed at one end of a second direction traversing a first direction at a first end of the battery case, the first direction being oriented from the first end to a second end at which an outlet is formed, a bypass entrance opening formed in a central part of the battery case along the first direction and in a central part along the second direction, a bypass duct by which the bypass exit opening communicates with the bypass entrance opening, and a flow path which guides a cooling gas downstream of the bypass entrance opening to both sides of the second direction.

IPC 8 full level
H01M 10/60 (2014.01); **H01M 10/613** (2014.01); **H01M 10/617** (2014.01); **H01M 10/625** (2014.01); **H01M 10/6556** (2014.01); **H01M 10/6563** (2014.01); **H01M 50/204** (2021.01); **H01M 50/249** (2021.01)

CPC (source: EP US)
B60K 1/04 (2013.01 - EP US); **H01M 10/613** (2015.04 - EP US); **H01M 10/625** (2015.04 - EP US); **H01M 10/6566** (2015.04 - EP US); **H01M 50/204** (2021.01 - EP US); **H01M 50/249** (2021.01 - EP US); **B60K 2001/005** (2013.01 - EP US); **B60K 2001/0438** (2013.01 - EP US); **B60K 2001/0472** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)
• [X] WO 2007007503 A1 20070118 - TOYOTA MOTOR CO LTD [JP], et al
• [X] EP 1553655 A2 20050713 - TOSHIBA BATTERY [JP], et al
• [A] EP 1548858 A2 20050629 - HONDA MOTOR CO LTD [JP]
• See references of WO 2009041089A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
US 2009197154 A1 20090806; **US 7771865 B2 20100810**; CN 101584059 A 20091118; CN 101584059 B 20110720; EP 2194595 A1 20100609; EP 2194595 A4 20120125; EP 2194595 B1 20191023; JP 2009087757 A 20090423; JP 5092657 B2 20121205; WO 2009041089 A1 20090402

DOCDB simple family (application)
US 41189209 A 20090326; CN 200880000801 A 20080314; EP 08722203 A 20080314; JP 2007256580 A 20070928; JP 2008054807 W 20080314